

Interdisciplinary Studies

Academic Degree Programs

Program: **Forensic Science**
 Major: **Forensic Science**
 Degree: **Bachelor of Science (B.S.)**

Forensic Science Institute
 Academic Affairs
 Major Code: 7020

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 95-96.

• Courses from the major may apply to the areas marked in the University Core.

Written and Oral Communication 9

Quantitative Reasoning/Scientific Method 10-11

• Math..... 3

Life Science 4

Physical Science..... 3-4

Critical Inquiry and Aesthetic Analysis 6

Aesthetic Analysis 3

Critical Inquiry..... 3

American Historical and Political Analysis 6

American National Government 3

American History 3

Cultural and Language Analysis 3-4

Second Language 4

OR

Cultural Analysis..... 3

Social and Behavioral Analysis 3

Life Skills 5

Required Health Course..... 2

Elective Life Skills..... 3

Minimum
 Required Hours

Major Requirements

Forensic Science 30

Required Courses..... 15

- FRSC 2503 Intro to Forensic Science
- FRSC 3043 Crime Scene Processing
- FRSC 3123 Criminal Procedure for Forensic Science
- FRSC 4253 Forensic Science Analysis & Lab
- FRSC 4900 Practicum in Forensic Science (3 hours) **OR**
- FRSC 4930 Individual Study in Forensic Sci (3 hours) **OR**
- FRSC 4950 Internship in Forensic Science (3 hours) **OR**
- FRSC 4970 Study Tour in Forensic Science (3 hours)

Other Required Courses..... 3

- STAT 2103 Intro to Statistics for Sciences **OR**
- STAT 2113 Statistical Methods **OR**
- PSY 2753 Psychological Statistics **OR**
- PSY 3713 Advanced Statistics **OR**
- SOC 4043 Sociological Statistics **OR**
- CJ 4043 Intro to CJ Statistics **OR**
- ECON 2173 Principles of Business Statistics

Electives 12

Select from the following or others as approved by the Forensic Science Undergraduate Coordinator to bring total hours in major to 30. Fifteen hours of the total 30 hours must be upper division courses.

- FRSC 2000 Topics in Forensic Science
- FRSC 2613 Behavioral Aspects of Crime Scenes
- FRSC 2713 Digital Evidence
- FRSC 2733 DNA for Crime Scene Investigators
- FRSC 2823 Wildlife Forensics
- FRSC 3000 Workshop in Forensic Science
- FRSC 3223 Landmark Cases in Forensic Science
- FRSC 3323 Forensic Interviewing
- FRSC 3333 Forensic Investigation of Mass Disasters
- FRSC 3423 Clandestine Laboratories
- FRSC 3990 Advanced Topics in Forensic Science
- FRSC 4143 Crime Scene Reconstruction
- FRSC 4153 Crime Scene Photography
- FRSC 4163 Medicolegal Forensics
- FRSC 4243 Forensic Psychology
- FRSC 4263 Forensic and Biological Anthropology

- FRSC 4273 Advanced Fingerprint Analysis
- FRSC 4303 Forensic Archaeology
- FRSC 4313 Forensic Pathology
- FRSC 4323 Forensic Toxicology & Lab
- FRSC 4333 Forensic Molecular Biology & Lab
- FRSC 4343 Forensic Serology & Lab
- FRSC 4353 Firearm and Toolmark Analysis
- FRSC 4413 Bloodstain Pattern Analysis
- FRSC 4423 Bloodstain Pattern Analysis II
- FRSC 4443 Forensic Arson Investigation
- FRSC 4463 Digital Forensics & Lab
- FRSC 4513 Forensic Chemistry & Lab
- FRSC 4533 Forensic Microscopy & Lab
- FRSC 4543 Advanced Firearm and Toolmark & Lab
- FRSC 4553 WMD Forensics
- FRSC 4613 Advanced Forensic DNA Analysis
- FRSC 4633 Digital Forensics Tools and Analysis & Lab
- FRSC 4653 Mobile Device Forensics & Lab
- FRSC 4673 Network Forensics & Lab
- FRSC 4713 Forensic Pharmacology
- FRSC 4813 Ethics and Professional Development
- FRSC 4910 Seminar in Forensic Science
- FRSC 4930 Individual Study in Forensic Science
- FRSC 4940 Field Study in Forensic Science
- FRSC 4950 Internship in Forensic Science
- FRSC 4960 Institute in Forensic Science
- FRSC 4970 Study Tour in Forensic Science
- FRSC 4980 Workshop in Forensic Science

Additional Degree

All students completing a B.S. in Forensic Science must complete an additional degree. The B.S. in Forensic Science may be combined with any UCO undergraduate major with the exception of General Studies.

The Forensic Science undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science degree: (A) Earn a concurrent degree; (B) Earn a second bachelor's degree.

Program: **Forensic Science**
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**Minimum
Required Hours**

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The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

Minimum Grade Requirements

1. Average in all college course work and course work at UCO..... 2.25
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see pages 66-67 of the 2019-2020 catalog.

Program: **Forensic Science**
 Major: **Forensic Science - Chemistry**
 Degree: **Bachelor of Science (B.S.)**

Forensic Science Institute
 Academic Affairs
 Major Code: 7021

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 95-96.

• Courses from the major may apply to the areas marked in the University Core.

Written and Oral Communication 9

Quantitative Reasoning/Scientific Method 10-11

• Math..... 3

• Life Science..... 4

• Physical Science 3-4

Critical Inquiry and Aesthetic Analysis 6

Aesthetic Analysis 3

Critical Inquiry..... 3

American Historical and Political Analysis 6

American National Government 3

American History..... 3

Cultural and Language Analysis 3-4

Second Language..... 4

OR

Cultural Analysis..... 3

Social and Behavioral Analysis..... 3

Life Skills 5

Required Health Course..... 2

Elective Life Skills..... 3

Minimum
Required Hours

Minimum
Required Hours

Major Requirements

Forensic Science - Chemistry 32

Required Courses..... 24

FRSC 2503 Intro to Forensic Science

FRSC 3043 Crime Scene Processing

FRSC 3123 Criminal Procedure for Forensic Science

FRSC 4253 Forensic Science Analysis & Lab

FRSC 4323 Forensic Toxicology & Lab

FRSC 4513 Forensic Chemistry & Lab

FRSC 4533 Forensic Microscopy & Lab

FRSC 4900 Practicum in Forensic Science (3 hours) OR

FRSC 4930 Individual Study (3 hours) OR

FRSC 4950 Internship in Forensic Science (3 hours)

Other Required Courses..... 8

BIO 1114 General Biology

BIO 1211 University Life Sciences Lab

STAT 2103 Intro to Statistics for Sciences

Additional Degree (Chemistry, Chemistry ACS, or Chemistry-Health Sciences)

All students completing a B.S. in Forensic Science-Chemistry must complete an additional degree. The B.S. in Forensic Science-Chemistry must be combined with the B.S. in Chemistry or B.S. in Chemistry-ACS Certificate or B.S. in Chemistry-Health Sciences.

The Forensic Science-Chemistry undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science-Chemistry degree: (A) Earn a concurrent degree by completing requirements in the Chemistry or Chemistry ACS or Chemistry - Health Sciences program and the additional 32 hours in the Forensic Science-Chemistry program; (B) Earn a second bachelor's degree after possessing an appropriate Chemistry degree by completing 32 hours in the Forensic Science-Chemistry program.

The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

Minimum Grade Requirements

1. Average in all college course work and course work at UCO..... 2.25
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see pages 66-67 of the 2019-2020 catalog.

Program: **Forensic Science**
 Major: **Forensic Science - Digital Forensics**
 Degree: **Bachelor of Science (B.S.)**

Forensic Science Institute
 Academic Affairs
 Major Code: 7023

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 95-96.

- Courses from the major may apply to the areas marked in the University Core.

Written and Oral Communication 9

Quantitative Reasoning/Scientific Method 10-11

- Math..... 3
- Life Science..... 4
- Physical Science 3-4

Critical Inquiry and Aesthetic Analysis 6

- Aesthetic Analysis..... 3
- Critical Inquiry..... 3

American Historical and Political Analysis 6

- American National Government 3
- American History..... 3

Cultural and Language Analysis 3-4

- Second Language..... 4
- OR
- Cultural Analysis..... 3

Social and Behavioral Analysis 3

Life Skills 5

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum
 Required Hours**

Major Requirements

Forensic Science - Digital Forensics 36

Required Courses..... 36

- FRSC 2503 Intro to Forensic Science
- FRSC 2713 Digital Evidence
- FRSC 3043 Crime Scene Processing
- FRSC 3123 Criminal Procedure for Forensic Science
- FRSC 4253 Forensic Science Analysis & Lab
- FRSC 4463 Digital Forensics & Lab
- FRSC 4633 Digital Forensics Tools and Analysis & Lab
- FRSC 4653 Mobile Device Forensics & Lab
- FRSC 4673 Network Forensics & Lab
- ISOM 3343 IT Security and Risk Management **OR**
- CMSC 4323 Computer and Network Security
- CJ 4523 Cyber Crime
- FRSC 4900 Practicum in Forensic Science (3 hours) **OR**
- FRSC 4930 Individual Study (3 hours) **OR**
- FRSC 4950 Internship in Forensic Science (3 hours)

- PHY 1114 General Physics I & Lab **AND**
- PHY 1114L General Physics I Laboratory
- PHY 1214 General Physics II & Lab **AND**
- PHY 1214L General Physics II Laboratory
- CHEM 1103 General Chemistry I **AND**
- CHEM 1112 General Chemistry I Recitation/Laboratory
- CHEM 1223 General Chemistry II **AND**
- CHEM 1232 General Chemistry II Recitation/Laboratory
- BIO 1114 General Biology **AND**
- BIO 1211 University Life Sciences Lab

The following courses are required for all four tracks in Computer Science/Software Engineering and must be chosen as a part of the degree requirements:

- CMSC 3413 Enterprise Programming **OR**
- CMSC 4303 Mobile Apps Programming **OR**
- CMSC 4373 Web Server Programming
- CMSC 4153 Operating Systems

Additional Degree

All students completing a B.S. in Forensic Science-Digital Forensics must complete an additional degree in one of five majors. The B.S. in Forensic Science-Digital Forensics must be combined with the B.B.A. in Information and Operations Management - Management Information System (MIS degree), B.S. in Computer Science, B.S. in Computer Science-Applied, B.S. in Computer Science-Information Science, or B.S. in Software Engineering.

The Forensic Science-Digital Forensics undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science-Digital Forensics degree: (A) Earn a concurrent degree by completing requirements in one of the five majors above and the additional 36 hours in the Forensic Science-Digital Forensics program; (B) Earn a second bachelor's degree after possessing an appropriate MIS, Computer Science or Software Engineering degree by completing 36 hours in the Forensic Science-Digital Forensics program.

At least two courses from the following list, each with an associated laboratory, must be completed by all students:

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Minimum Grade Requirements

1. Average in all college course work and course work at UCO..... 2.25
2. A minimum grade of "C" must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see pages 66-67 of the 2019-2020 catalog.

Program: **Forensic Science**
 Major: **Forensic Science - Molecular Biology**
 Degree: **Bachelor of Science (B.S.)**

Forensic Science Institute
 Academic Affairs
 Major Code: 7022

University Core (Total Listed 42-44)

Specific courses within the University Core are listed on pages 95-96.
 • Courses from the major may apply to the areas marked in the University Core.

Written and Oral Communication 9

Quantitative Reasoning/Scientific Method 10-11

- Math..... 3
- Life Science 4
- Physical Science 3-4

Critical Inquiry and Aesthetic Analysis 6

- Aesthetic Analysis 3
- Critical Inquiry 3

American Historical and Political Analysis 6

- American National Government 3
- American History 3

Cultural and Language Analysis 3-4

- Second Language 4
- OR
- Cultural Analysis..... 3

Social and Behavioral Analysis..... 3

Life Skills 5

- Required Health Course..... 2
- Elective Life Skills..... 3

**Minimum
Required Hours**

Major Requirements

Forensic Science - Molecular Biology.....36

Required Courses..... 36

- FRSC 2503 Intro to Forensic Science
- FRSC 3043 Crime Scene Processing
- FRSC 3123 Criminal Procedure for Forensic Science
- FRSC 4253 Forensic Science Analysis & Lab
- FRSC 4333 Forensic Molecular Biology & Lab
- FRSC 4343 Forensic Serology & Lab
- FRSC 4533 Forensic Microscopy & Lab
- FRSC 4613 Advanced Forensic DNA Analysis
- FRSC 4900 Practicum in Forensic Science (3 hours) **OR**
- FRSC 4930 Individual Study (3 hours) **OR**
- FRSC 4950 Internship in Forensic Science (3 hours)
- PHY 1214 General Physics II & Lab
- CHEM 3323 Organic Chemistry II
- CHEM 3332 Organic Chemistry II Lab

Additional Degree (Biology, Biology-Biomedical Sciences, or Biology-Medical Laboratory Science)

All students completing a B.S. in Forensic Science-Molecular Biology must complete an additional degree. The B.S. in Forensic Science-Molecular Biology must be combined with the B.S. in Biology, Biology-Biomedical Sciences, or Biology-Medical Laboratory Science.

The Forensic Science-Molecular Biology undergraduate degree program is not a stand-alone program. There are two mechanisms for earning the Forensic Science-Molecular Biology degree: (A) Earn a concurrent degree by completing requirements in the Biology or Biology-Biomedical Sciences, or Biology-Medical Laboratory Science program and the additional 36 hours in the Forensic Science-Molecular Biology program; (B) Earn a second bachelor’s degree after possessing an appropriate Biology degree by completing 36 hours in the Forensic Science-Molecular Biology program.

The number of credits needed to meet degree requirements exceeds 124 hours and will vary according to course selection.

The following courses are required and will prepare the student to meet The FBI Quality Assurance Standards For Forensic DNA Testing Laboratories and must be chosen as a part of the Biology or Biology-Biomedical Sciences or Biology-Medical Laboratory Science degree requirements:

- BIO 3303 Genetics
- BIO 3311 Genetics Lab
- BIO 4743 Population Genetics & Lab
- CHEM 3403 Biochemistry

Minimum Grade Requirements

1. Average in all college course work and course work at UCO..... 2.25
2. A minimum grade of “C” must be earned in all courses in the major to count toward meeting degree requirements.

For other regulations pertaining to graduation, see pages 66-67 of the 2019-2020 catalog.